



Place in Site Master File #2

Case report form

Screening form:

| NAME | QUESTION | ANSWER | INFO BOX | Note+limit in eCRF |
|-------------------------------|--------------------------------|-------------------------------|--|--|
| PATIENT IDENTIFICATION | | | | |
| S1 | National identification number | _ _ _ _ _ _ _ - _ _ _ _ _ | <p>Denmark: CPR nummer. If the patient has a fictive CPR number please use the letter D as a prefix, e.g D100255-0jh0</p> <p>If an unknown patient is identified you have the option to change the fictive CPR number to the correct CPR number.</p> <p>Switzerland: The national identification number will consist of 0101 + site id + 01</p> <p>Site id is system generated</p> <p>Other countries: The national identification number will consist of date of birth + site id + 01</p> <p>Site id is system generated</p> | <p>Denmark: RED WARNING A participant with identical CPR number has previously been enrolled in the SUP-ICU trial and cannot be randomised again. If the participant was enrolled at your department, please readmit the patient in the system. If not please contact the coordinating centre for transferal of the patient in the system.</p> <p>contact@sup-icu.com or +45 3545 7450</p> <p>WARNING if CPR is invalid Format of CPR is not correct. It should be 10 digits long. If a fictive CPR is entered, please use the prefix 'D' (capital D) followed by 10 characters. See 'info'.</p> <p>Other countries: RED WARNING: (validating on enrolled patients only)</p> <p>The trial participant below with the same national identification number (NIN) has previously been enrolled in the SUP-ICU trial. If the trial participant below is not identical to the one you are trying to</p> |

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| | | | | <p>screen, please increase the serial number by 1 (e.g. change 01 to 02). If the trial participant has been enrolled previously, please readmit the patient in the system.</p> <p>For further information please contact contact@sup-icu.com or +45 3545 7450</p> <p>YELLOW WARNING: (Validating on enrolled patients in the same country with the same birthday)</p> <p>The trial participants listed below are potentially identical with the one you are trying to screen. Please check the list below. If the trial participant you are trying to screen is NOT identical to any of the participants below, please press accept to continue. If the patient has been enrolled previously, please readmit the patient in the system.</p> <p>For further information please contact contact@sup-icu.com or +45 3545 7450</p> <p>Warning if NIN of an excluded patient is entered again:</p> <p>A patient with the same NIN has previously been excluded. If you want to screen the patient again, please press accept.</p> <p>For further information please contact contact@sup-icu.com or +45 3545 7450</p> |
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INCLUSION CRITERIA

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| S2 | Was the patient acutely admitted to the ICU? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Acute admission: a non-planned ICU admission. It does NOT include: 1) planned recovery after surgery or similar planned admission 2) admission to semi intensive care, intermediate intensive care or similar bed. | |
| S3 | Age ≥ 18 years? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S4 | Systolic blood pressure < 90 mmHg or mean arterial pressure < 70 mmHg? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S5 | Ongoing continuous treatment with vasopressors or inotropes (any of the following: noradrenaline, phenylephrine, vasopressin, terlipressin, dopamine, dobutamine, adrenaline, milrinone or levosimendan) | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S6 | Lactate > 4 mmol/l | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S7 | Renal replacement therapy (acute or chronic intermittent or continuous renal replacement therapy) | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S8 | Invasive mechanical ventilation which is expected to last > 24 hours. If in doubt of the forecast answer 'YES'. | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S9 | Acute coagulopathy documented within the last 24 hours (definition in INFO) | <input type="checkbox"/> Yes <input type="checkbox"/> No | Platelets < 50 x 10 ⁹ /l or INR > 1.5 or PT > 20 seconds | |
| S10 | History of coagulopathy within 6 months prior to <u>hospital</u> admission. (definition in INFO) | <input type="checkbox"/> Yes <input type="checkbox"/> No | Platelets < 50 x 10 ⁹ /l or INR > 1.5 or PT > 20 seconds | |

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| S11 | History of chronic liver disease? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Portal hypertension, cirrhosis proven by biopsy, computed tomography (CT) scan or ultrasound, history of variceal bleeding or hepatic encephalopathy in the past medical history | |
| S12 | Ongoing treatment with anti-coagulants (definition in INFO) Prophylactic doses of low molecular weight heparin/heparin and acetylsalicylic acid are NOT included | <input type="checkbox"/> Yes <input type="checkbox"/> No | Anticoagulant drugs includes: <ul style="list-style-type: none"> • Dipyridamole • Vitamin K antagonists • ADP-receptor inhibitors • Therapeutic doses of low molecular weight heparin • New oral anticoagulant drugs • Intravenous direct thrombin (II) inhibitors • Similar drugs | |
| EXCLUSION CRITERIA | | | | |
| S13 | Contraindications to proton pump inhibitor? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Including intolerance of PPI and treatment with atazanavir (HIV medication) | |
| S14 | Ongoing treatment with proton pump inhibitor or histamine-2-receptor antagonist <u>on a daily basis</u> ? | <input type="checkbox"/> Yes <input type="checkbox"/> No | If PPI/H2RA is <u>discontinued</u> in ICU answer NO. If PPI/H2RA is <u>continued</u> in ICU answer YES. | |
| S15 | GI bleeding of any origin during current hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S16 | Peptic ulcer confirmed by endoscopy or other method during current hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S17 | Withdrawal from active therapy or brain death? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S18 | Organ transplant during current hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| S19 | Known pregnancy? | <input type="checkbox"/> Yes <input type="checkbox"/> No | In fertile women a negative urine-hCG or plasma-hCG is needed | |
| S20 | Consent according to national regulations not obtainable? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| STRATIFICATION VARIABLES | | | | |
| S21 | Name of the patient Switzerland | _____ | Will be shown in the medication dispensing system. If the trial participant is unknown, | |

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| | Patient initials | | please click the 'unknown at admission' check box. | |
| S22 | Haematological malignancy? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <p>Includes any of the following:</p> <ul style="list-style-type: none"> leukemia: Acute lymphoblastic leukemia (ALL), acute myelogenous leukemia (AML), chronic myelogenous leukemia (CML), chronic lymphocytic leukemia (CLL) lymphoma: Hodgkin's disease, Non-Hodgkin lymphoma (e.g. small lymphocytic lymphoma (SLL), diffuse large B-cell lymphoma (DLBCL), follicular lymphoma (FL), mantle cell lymphoma (MCL), hairy cell leukemia (HCL), marginal zone lymphoma (MZL), Burkitt's lymphoma (BL), post-transplant lymphoproliferative disorder (PTLD), T-cell prolymphocytic leukemia (T-PLL), B-cell prolymphocytic leukemia (B-PLL), Waldenström's macroglobulinemia, other NK- or T-cell lymphomas Multiple myeloma/plasma cell myeloma | |
| s23 | Site | | Automatically generated in the eCRF | |
| s24 | Vial identifier number | | Automatically generated in the eCRF | |
| s25 | Randomisation time stamp | | Automatically generated in the eCRF | |

Date:

Name of person completing the form:

Signature:

Baseline form

| NAME | QUESTION | ANSWER | INFO | Note+limit in eCRF |
|----------------------------|---|--|--|--|
| GENERAL INFORMATION | | | | |
| BL1 | Male sex | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| BL2 | ICU admission date | _ _ - _ _ - _ _ _ _ Format: dd-mm-yyyy | If the patient was transferred directly from another ICU, please write the date of admission to the first ICU | Date and time before randomisation |
| BL3 | ICU admission time | _ _ : _ _ Format: hh:mm (24 hours format) | If the patient was transferred directly from another ICU, please write the time of admission to the first ICU | Date and time before randomisation |
| BL4 | Hospital admission date | _ _ - _ _ - _ _ _ _ Format: dd-mm-yyyy | If the patient was transferred from another hospital, report the date of admission to the first hospital. | Date more than 30 days prior to ICU admission has to be accepted |
| BL5 | <u>Elective</u> surgery within 7 days prior to ICU admission during current hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Surgery scheduled 24 hours or more in advance. Includes surgery at another hospital. | |
| BL6 | <u>Emergency</u> surgery within the last 24 hours? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Surgery added to the operating room plan 24 hours or less prior to surgery. Includes surgery at another hospital. | |
| BL7 | Treatment of <i>clostridium difficile</i> during current hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Treatment includes: Vancomycin (enteral), Metronidazole (enteral or intravenous) or Fidaxomicin (enteral) | |
| BL8 | Treatment with NSAIDs or acetylsalicylic acid in any dose at hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| BL9 | Treatment with anti-coagulants at hospital admission? (definition in INFO) Prophylactic doses of low molecular | <input type="checkbox"/> Yes <input type="checkbox"/> No | Includes <ul style="list-style-type: none"> • Vitamin K antagonists (e.g. Warfarin) • Dipyridamole (e.g. Persantine) • ADP-receptor inhibitors (e.g. Clopidogrel, Prasugrel, Ticagrelor) • Therapeutic doses of low | |

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| | weight heparin/heparin and acetylsalicylic acid are NOT included | | <ul style="list-style-type: none"> molecular weight heparin New oral anticoagulant (factor IIa and Xa inhibitors, e.g Dabigatran, Apixaban, Xarelto) Intravenous direct thrombin (II) inhibitors (e.g. Bivalirudin) Similar drugs | |
| BL10 | Intravenous thrombolysis within the previous 3 days? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| CO-MORBIDITIES The registration below is based on information from the patient's files PLEASE READ THE INFO BOXES! | | | | |
| BL11 | Chronic lung disease? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Chronic obstructive pulmonary disease (COPD), asthma or other chronic lung disease or treatment with any relevant drug indicating this at admission to hospital | |
| BL12 | Previous myocardial infarction? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| BL13 | Chronic heart failure (NYHA III-IV)? | <input type="checkbox"/> Yes <input type="checkbox"/> No | New York Heart Association Functional Class (NYHA) III-IV. NYHA III: The patient has marked limitations in physical activity due to symptoms (fatigue, palpitation or dyspnoea) even during less than ordinary activity (walking short distances 20-100 m. or walking up stairs to 1st floor). The patient is only comfortable at rest. NYHA class IV: The patient is not able to carry out any physical activity (without discomfort (fatigue, palpitation or dyspnoea)). Symptoms are present even at rest and the patient is mostly bedbound | |
| BL14 | Chronic renal replacement therapy within the last year prior to hospital admission? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| BL15 | Treatment with at least 0.3 mg/kg/day of prednisolone equivalent for at least 1 month in the 6 months prior | <input type="checkbox"/> Yes <input type="checkbox"/> No | For a 70 kg person this equals 21 mg per day for at least one month in the 6 months prior to ICU admission | |

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| | to ICU admission? | | | |
| BL16 | Metastatic cancer? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Proven metastasis by surgery, CT scan or any other method | |
| BL17 | AIDS? | <input type="checkbox"/> Yes <input type="checkbox"/> No | HIV positive patients with one or more HIV defining diseases such as pneumocystis jirovecii pneumonia, Kaposi's sarcoma, Lymphoma, tuberculosis or toxoplasma infection | |
| SAPS 2 (Simplified Acute Physiology 2) Score and SOFA (Sequential Organ Failure Assessment) Score The registration below is based on values obtained in the 24 hours prior to randomisation. Please select the most deranged values (from general ward, ICU or other) | | | | |
| BL18 | Lowest Glasgow coma score in the 24 hours prior to randomisation. (If sedated, use last score before sedation? If unknown write 15) (Info for instruction) | _ _ | If not scored in the last 24 hours, use the last available GCS-score. Glasgow Coma Score is the sum of points (range 3-15) given for the following categories: eyes, verbal response, and motor response. EYES: 1 point: Does not open eyes. 2 points: Opens eyes in response to painful stimuli. 3 points: Opens eyes in response to voice. 4 points: Opens eyes spontaneously VERBAL: 1 point: Makes no sounds. 2 points: Incomprehensible sounds. 3 points: Utters inappropriate words. 4 points: Confused, disorientated. 5 points: Oriented, converses normally. MOTOR: 1 point: Makes no movements. 2 points: Extension to painful stimuli. 3 points: Abnormal flexion to painful stimuli 4 points: Flexion / withdrawal to painful stimuli. 5 points: Localizes painful stimuli. 6 points: Obeys commands. | Limit: 3-15 Values outside range cannot be accepted |
| BL19 | Was the core temperature $\geq 39^{\circ}\text{C}$ (102.2 Fahrenheit) in the 24 hours prior to randomisation? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Core temperature: rectal, urinary bladder, central line, or tympanic. If oral, inguinal or axillary temperatures are used, add 0.5°C to measured value | |
| BL20 | Urinary output in the 24 hours prior to randomisation? If urine volume is measured for a short period MULTIPLY TO GET TOTAL OUTPUT IN 24 HOURS! (ml) | _ _ _ _ | | Limit: 0-8000 No decimals |
| BL21 | Lowest systolic arterial pressure in the 24 hours prior to randomisation? (mmHg) | _ _ _ | | Limit: 70-150 No decimals |
| BL22 | Highest systolic arterial pressure | _ _ _ | | Limit: 70-150 No decimals |

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| | in the 24 hours prior to randomisation? (mmHg) | | | |
| BL23 | Lowest mean arterial pressure (MAP) in the 24 hours prior to randomisation? (mmHg) | _ _ _ | If mean arterial pressure (MAP) is not calculated by monitoring equipment, use the manual sphygmomanometer recording of systolic (SBP) and diastolic blood pressure (DBP) to obtain MAP using this equation $MAP = (DBP \times 2 + SBP) / 3$ | Limit 45-150 No decimals |
| BL24 | Lowest heart rate in the 24 hours prior to randomisation? | _ _ _ | If the patient has an atrial arrhythmia, measure the ventricular response rate (R waves) only to record the heart rate. | Limit 40-200 No decimals |
| BL25 | Highest heart rate in the 24 hours prior to randomisation? (beats/min) | _ _ _ | If the patient has an atrial arrhythmia, measure the ventricular response rate (R waves) only to record the heart rate. | Limit 40-200 No decimals |
| BL26 | Highest dose of noradrenaline (norepinephrine) in the 24 hours prior to randomisation? ($\mu\text{g}/\text{kg}/\text{min}$) | _ _ _ _ | Administration of the drug for at least 1 hour. Otherwise write 0. Does not include boli. | Limit: 0-2.00 0,1 or 2 decimals |
| BL27 | Highest dose of adrenaline in the 24 hours prior to randomisation? ($\mu\text{g}/\text{kg}/\text{min}$) | _ _ _ | Administration of the drug for at least 1 hour. Otherwise write 0. Does not include boli. | Limit: 0-0.50 0,1 or 2 decimals. |
| BL28 | Highest dose of dopamine in the 24 hours prior to randomisation? ($\mu\text{g}/\text{kg}/\text{min}$) | _ _ _ | Administration of the drug for at least 1 hour. Otherwise write 0. Does not include boli. | Limit: 0-10.0 0,1 or 2 decimals |
| BL29 | Did the patient receive dobutamine, vasopressin, phenylephrine, milrinone or levosimendan in the 24 hours prior to randomisation? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| BL30 | <u>Lowest</u> p-sodium (p-natrium) in the 24 hours prior to randomisation? (mmol/l) | _ _ _ | | Limit: 100-160 No decimals cannot be higher than B31 |
| BL31 | <u>Highest</u> p-sodium | | | Limit: 100- |

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| | (p-natrium) in the 24 hours prior to randomisation? (mmol/l) | _ _ _ | | 160 No decimals cannot be lower than B30 |
| BL32 | <u>Lowest</u> p-potassium (p-kalium) in the 24 hours prior to randomisation? (mmol/l) | _ _ | | Limit: 2.0-6.0 0 or 1 decimal. Cannot be higher than B33 |
| BL33 | <u>Highest</u> p-potassium (p-kalium) in the 24 hours prior to randomisation? (mmol/l) | _ _ | | Limit: 2.0-6.0 0 or 1 decimal. Cannot be lower than B32 |
| BL34 | Lowest white blood cell count in the 24 hours prior to randomisation? (10^9 /l) | _ _ _ | To convert from mm^3 divide with 1000 If the lab returns a value of e.g. "<0.1", please report "0.1". | Limit: 0.1-40 0 or 1 decimal. Cannot be higher than B35 |
| BL35 | Highest white blood cell count in the 24 hours prior to randomisation? (10^9 /l) | _ _ _ | To convert from mm^3 divide with 1000 If the lab returns a value of e.g. "<0.1", please report "0.1". | Limit: 0.1-40 0 or 1 decimal. Cannot be higher than B34 |
| BL36 | Lowest platelet count? (10^9 /l) | _ _ _ | To convert from mm^3 divide with 1000 If the lab returns a value of e.g. < 3, please report 3 | Limit: 3-800 No decimals |
| BL37 | Highest bilirubin in the 24 hours prior to randomisation? ($\mu\text{mol/l}$) If no value is obtained, write the <u>first</u> value from the 24-hour period <u>after</u> randomisation. | _ _ _ | To convert from mg/dl multiply with 17.1 | Limit: 5-300 No decimals |
| BL38 | Highest creatinine in the 24 hours prior to randomisation ? ($\mu\text{mol/l}$) If no value is obtained, write the <u>first</u> value from the 24-hour period <u>after</u> | _ _ _ _ | To convert from mg/dl multiply with 88.4 | Limit: 40-1000 No decimals |

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| | randomisation. | | | |
| BL39 | Highest carbamid (urea) in the 24 hours prior to randomisation? (mmol/l). If no value is obtained, write the <u>first</u> value from the 24-hour period <u>after</u> randomisation. | _ _ _ | To convert from mg/dl multiply with 0.05 | Limit: 2-40 0 or 1 decimal |
| BL40 | Lowest s-bicarbonate (HCO ₃ ⁻) in the 24 hours prior to randomisation? (mmol/l) | _ _ _ | mmol/l = mEq/l | Limit: 5-40 0 or 1 decimal |
| Enter values for the lowest PaO₂/FiO₂-ratio in the 24 hours prior to randomisation. Do not enter the ratio itself! Please report the corresponding PaO ₂ and FiO ₂ | | | | |
| BL41 | PaO ₂ (kPa) | _ _ _ | To convert from mmHg: multiply by 0.133 | Limit: 5-40 0 or 1 decimal |
| BL42 | FiO ₂ (%) | _ _ _ | For calculation of FiO ₂ use the list below: Nasal catheter: flow of oxygen and corresponding FiO ₂ 0 L: 21 % 1 L: 27 % 2 L: 33 % 3 L: 37 % 4 L: 40 % 5 L: 44 % 6 L: 48 % Hudson mask: flow of oxygen / air flow and corresponding FiO ₂ 0 L: 21 % 3 / 12 L: 29 % 7,5 / 7,5 L: 41 % 10 / 5 L: 48 % 15 / 0 L: 59 % High flow oxygen via nasal cannula: flow of oxygen and corresponding FiO ₂ 10 L: 62 % 15 L: 82 % 20 L: 90 % 30 L: 95 % Please report the corresponding PaO ₂ and FiO ₂ that give the lowest ratio. Hudson mask: flow of oxygen / air flow and corresponding FiO ₂ 0 / 15 L: 21 % 3 / 12 L: 29 % 7,5 / 7,5 L: 41 % | Limit 21-100 Values outside range cannot be accepted. 0 or 1 decimal |

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| | | | <p>10 / 5 L: 48 % 15 / 0 L: 59 %</p> <p>Example 1: 1 patient has 2 corresponding measurements of FiO2 and PaO2.</p> <p>#1: PaO2 in the arterial blood gas was 8 kPa. The patient had a Hudson mask with 15 L oxygen flow. The corresponding FiO2 was 59% (see above). Thus, the PaO2/FiO2 was $8/0,59 = 13,6$ kPa.</p> <p>#2: PaO2 in the arterial blood gas was 9 kPa. The patient had a nasal catheter with 6 l oxygen flow. The corresponding FiO2 was 48% (see above). Thus, the PaO2/FiO2 was $9/0,36 = 18,8$ kPa.</p> <p>Measurement number 1 gives the lowest ratio and must be reported.</p> | |
| BL43 | Respiratory support (invasive or non-invasive ventilation including continuous mask CPAP or CPAP via a tracheotomy) in the 24 hours prior to randomisation? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Intermittent CPAP is NOT considered mechanical ventilation | |

Date:

Name of person completing the form:

Signature:

Day form

| NAME | QUESTION | ANSWER | INFO | NOTE+LIMIT |
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| GENERAL INFORMATION | | | | |
| D1 | Was the trial medication delivered to the patient on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| D2 | <p>Treatment with open-label proton pump inhibitor or histamine-2-receptor antagonist on this day?</p> <p>IF YES: Reason for treatment with PPI/H2RA (choose one only):</p> <p style="padding-left: 40px;">a) Clinical indication for treatment with PPI/H2RA because of GI bleeding, verified ulcer/varices/gastritis or as part of a bowel rest regimen?</p> <p style="padding-left: 40px;">b) Prophylaxis/treatment for other reasons than described above? (is considered a protocol violation)</p> | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Use of PPI/H2RA as stress ulcer prophylaxis and treatment without an obvious indication is considered a protocol violation</p> | <p>If 'YES' answer a and b</p> <p>Either a OR b <u>has</u> to be answered 'YES'.</p> <p>Only 'YES' in either a or b.</p> <p>If 'YES' in a: Warning! PLEASE DISCONTINUE TRIAL INTERVENTION AND COMPLETE WITHDRAWAL FORM</p> <p>If 'YES' in b: Warning! PLEASE CONTINUE TRIAL INTERVENTION AND DISCONTINUE OPEN-LABEL THERAPY</p> |
| D3 | Respiratory support (invasive or non-invasive ventilation including <u>continuous</u> mask CPAP or CPAP via a tracheotomy) on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Intermittent CPAP is NOT considered mechanical ventilation | |
| D4 | Continuous treatment with vasopressor and/or inotrope | <input type="checkbox"/> Yes <input type="checkbox"/> No | Continuous treatment with norepinephrine, epinephrine, dobutamine, dopamine, vasopressin, levosimendan, phenylephrine or milrinone at any time during the day | |
| D5 | Renal replacement therapy on this day? (including days between intermittent renal replacement therapy) | <input type="checkbox"/> Yes <input type="checkbox"/> No | Any type of acute and chronic renal replacement therapy is included (e.g. dialysis) | |
| D6 | Onset of pneumonia on this day? PLEASE READ criteria for pneumonia in INFO! | <input type="checkbox"/> Yes <input type="checkbox"/> No | Two or more serial chest radiographs with at least one of the following (one radiograph is sufficient for patients with no underlying pulmonary or cardiac disease): | |

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| | | | <ol style="list-style-type: none"> 1. new or progressive <i>and</i> persistent infiltrate 2. consolidation 3. cavitation <p>AND at least one of the following:</p> <ol style="list-style-type: none"> 1. fever (>38°C) with no other recognised cause 2. leucopaenia (white cell count < 4 x 10⁹/l) or leucocytosis (white cell count >12 x 10⁹/l) <p>AND at least two of the following</p> <ol style="list-style-type: none"> 1. new onset of purulent sputum or change in character of sputum, or increased respiratory secretions or increased suctioning requirements 2. new onset or worsening cough, or dyspnoea, or tachypnoea 3. rales or bronchial breath sounds 4. worsening gas exchange (hypoxaemia, increased oxygen requirement, increased ventilator demand) | |
| D7 | Treatment for suspected or documented clostridium difficile enteritis on this day? Definition of treatment in info. | <input type="checkbox"/> Yes <input type="checkbox"/> No | Treatment includes Vancomycin (enteral), Metronidazole (enteral or intravenous) and Fidaxomicin (enteral) | |
| D8 | Acute myocardial ischemia on this day? PLEASE READ criteria for acute myocardial ischemia in INFO! | <input type="checkbox"/> Yes <input type="checkbox"/> No | <p>- ST-elevation myocardial infarction</p> <p>OR</p> <p>- Non-ST elevation myocardial infarction</p> <p>OR</p> <p>- Unstable angina pectoris</p> <p>according to the criteria in the clinical setting in question (e.g. elevated biomarkers, ischemic signs on ECG and clinical presentation)</p> <p>AND</p> | |

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| | | | the patient receiving treatment as a consequence of this (reperfusion strategies (PCI/thrombolysis) or initiation/increased antithrombotic treatment) | |
| D9 | Enteral feeding and/or oral nutritional intake on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| D10 | Number of units of red blood cells transfused during this day? | _ _ | | Limit: 0-15 No decimals |

BLEEDING FORM

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| B1 | Did the patient have hematemesis, coffee ground emesis, melena, haematochezia or bloody nasogastric aspirate on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | If 'YES' in B1 B2-B7 have to be answered. Otherwise proceed to SAR1-SAR7 |
| B2 | Did the patient have spontaneous drop of systolic, diastolic or, mean arterial pressure of 20 mmHg or more within 24 hours after the bleeding episode and in absence of other causes? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| B3 | Was vasopressor initiated or increased by 20% or more within 24 hours after the bleeding episode and in absence of other causes? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Vasopressors include: noradrenaline, adrenaline, dopamine, vasopressin or terlipressin | |
| B4 | Did the haemoglobin decrease by at least 2 g/dl (1.24 mmol/l) within 24 hours after the bleeding episode and in absence of other causes? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| B5 | Did the patient receive 2 units of packed red blood cells or more within 24 hours after the bleeding episode and in absence of other causes? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| B6 | Was the origin of the bleeding confirmed? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | If 'YES' mark <u>at least one</u> option below |
| | IF YES: Gastric or duodenal ulcer? Gastritis? Bleeding oesophageal Varices? Other? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | |

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| B7 | Was endoscopy, open/laparoscopic surgery or coiling performed? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | If 'YES' mark <u>at least one</u> option below |
| | IF YES: <div style="text-align: right;"> Endoscopy? Open/laparoscopic surgery? Coiling? </div> | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | |

SERIOUS ADVERSE REACTIONS

PLEASE READ THE INFO.

If the patient experiences a SAR the trial intervention has to be stopped and the coordinating centre has to be contacted at contact@sup-icu.com or +45 3545 7450 within 24 hours. .

Please complete withdrawal form, continue daily registration and complete follow-up.

| | | | | |
|------|--|--|---|---|
| SAR1 | Anaphylactic reaction related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Urticaria and at least one of the following <ul style="list-style-type: none"> Worsened circulation (>20% decrease in blood pressure or >20% increase in vasopressor dose) Increased airway resistance (>20% increase in the peak pressure on the ventilation) Clinical stridor or bronchospasm Subsequent treatment with bronchodilators | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |
| SAR2 | Agranulocytosis related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Any new, acute and severe drop in granulocytes to $< 0.5 \times 10^9/l$ requiring active monitoring or treatment | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |
| SAR3 | Pancytopenia related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Any new, severe drop in red blood cells, white blood cells and platelets requiring active monitoring or treatment | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |

| | | | | |
|------|--|--|--|---|
| SAR4 | Acute hepatic failure related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Severe and progressing hepatic failure as judged by the treating doctor or the investigator | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |
| SAR5 | Steven-Johnson syndrome or toxic epidermal necrolysis related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Severe dermatological reactions with a skin biopsy confirming the diagnosis | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |
| SAR6 | Interstitial nephritis related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Nephritis affecting the interstitium of the kidneys surrounding the tubules with a kidney biopsy confirming the diagnosis | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |
| SAR7 | Angioedema (Quincke's oedema) related to the intervention on this day? | <input type="checkbox"/> Yes <input type="checkbox"/> No | A vascular reaction involving the deep dermis, subcutaneous or submucosal tissues, resulting in a characteristic localized oedema. | WARNING if YES Remember to discontinue the trial medication, complete the withdrawal form contact the coordinating centre within 24 hours at contact@sup-icu.com or +45 3545 7450 |

Date:

Name of person completing the form:

Signature:

Discharge and readmission form

| NAME | QUESTION | ANSWER | | | | | | | | |
|--------------------|---|---|-----|----|-----|----|-----|----|-----|----|
| DISCHARGE | | | | | | | | | | |
| DI1 | Date of ICU discharge (dd-mm-yyyy) | _ _ - _ _ - _ _ _ _ | | | | | | | | |
| DI2 | Time of ICU discharge (24 hours (hh:mm)) | _ _ : _ _ | | | | | | | | |
| DI3 | Patient discharge to (choose one only) <div style="text-align: right;"> General ward ICU participating in the SUP-ICU trial ICU not participating in the SUP-ICU trial Dead </div> | <table style="width: 100%; border: none;"> <tr> <td style="border: 1px solid black; padding: 2px;">Yes</td> <td style="border: 1px solid black; padding: 2px;">No</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">Yes</td> <td style="border: 1px solid black; padding: 2px;">No</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">Yes</td> <td style="border: 1px solid black; padding: 2px;">No</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">Yes</td> <td style="border: 1px solid black; padding: 2px;">No</td> </tr> </table> | Yes | No | Yes | No | Yes | No | Yes | No |
| Yes | No | | | | | | | | | |
| Yes | No | | | | | | | | | |
| Yes | No | | | | | | | | | |
| Yes | No | | | | | | | | | |
| DI4 | Has the patient been enrolled in other interventional trials during this ICU admission? | <table style="width: 100%; border: none;"> <tr> <td style="border: 1px solid black; padding: 2px;">Yes</td> <td style="border: 1px solid black; padding: 2px;">No</td> </tr> </table> | Yes | No | | | | | | |
| Yes | No | | | | | | | | | |
| READMISSION | | | | | | | | | | |
| DI5 | Date of ICU readmission (dd-mm-yyyy) | _ _ - _ _ - _ _ _ _ | | | | | | | | |
| DI6 | Time of ICU readmission (24 hours (hh:mm)) | _ _ : _ _ | | | | | | | | |

Date:

Name of person completing the form:

Signature:

Withdrawal form

PLEASE ANSWER ALL QUESTIONS AND CONTINUE DAILY REGISTRATION IF CONSENT HAS NOT BEEN WITHDRAWN

| NAME | QUESTION | ANSWER | INFO | NOTE+LIMIT | | | | | | | | |
|--|---|---|------|------------|--|----------------------------------|-----|----------------------------------|-----|----|--|--|
| WITHDRAWAL FROM INTERVENTION AND/OR DATA REGISTRATION | | | | | | | | | | | | |
| W1 | Date of withdrawal (dd-mm-yyyy) | _ _ - _ _ - _ _ _ _ | | | | | | | | | | |
| W2 | Time of withdrawal (24 hours (hh:mm)) | _ _ : _ _ | | | | | | | | | | |
| W3 | Reason for withdrawal (mark <u>one</u> answer): a) Indication for treatment with open label PPI/H2RA b) Clinical decision other than the above c) SAR/SUSAR d) Consent not given or withdrawn | <table border="0"> <tr><td>Yes</td><td>No</td></tr> <tr><td>Yes</td><td>No</td></tr> <tr><td>Yes</td><td>No</td></tr> <tr><td>Yes</td><td>No</td></tr> </table> | Yes | No | Yes | No | Yes | No | Yes | No | | |
| Yes | No | | | | | | | | | | | |
| Yes | No | | | | | | | | | | | |
| Yes | No | | | | | | | | | | | |
| Yes | No | | | | | | | | | | | |
| W4a | Who is not giving or withdrawing consent? Relative/next of kin/guardian not giving or withdrawing consent Patient not giving or withdrawing consent | <table border="0"> <tr><td>Yes</td><td>No</td></tr> <tr><td>Yes</td><td>No</td></tr> </table> | Yes | No | Yes | No | | Only to be answered if YES in W3 | | | | |
| Yes | No | | | | | | | | | | | |
| Yes | No | | | | | | | | | | | |
| W4b | Will further daily data be registered? | <table border="0"> <tr><td>Yes</td><td>No</td></tr> </table> | Yes | No | 'NO' is only an option if consent has been withdrawn | Only to be answered if YES in W3 | | | | | | |
| Yes | No | | | | | | | | | | | |

Date:

Name of person completing the form:

Signature:

Follow-up form

| NAME | QUESTION | ANSWER |
|------|---|--|
| F1 | Was the patient dead at date for follow-up? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| F2 | If 'YES': Date of death (dd-mm-yyyy) | _ _ - _ _ - _ _ _ _ |

Date:

Name of person completing the form:

Signature: